

What is claimed is:

1. A power transmission chain comprising:

a plurality of link plates individually including through-holes and arranged in a chain advancing direction and a chain widthwise direction and with predetermined spacing; and

a plurality of pins inserted through the through-holes for flexibly interconnecting the plural link plates.

2. A power transmission chain according to Claim 1, wherein a synthetic resin member is interposed in the spacing.

3. A power transmission chain comprising:

a plurality of link plates individually including through-holes, having their side surfaces covered by a coating material capable of being abraded or separated by using the chain, and arranged as mutually overlapped in a thicknesswise direction thereof; and

a plurality of pins inserted through the through-holes for flexibly interconnecting the plural link plates.

4. A power transmission chain according to Claim 3, wherein the coating material comprises a phosphate coating film.

5. A method of manufacturing a power transmission

chain including: a plurality of link plates individually including through-holes and arranged in a chain advancing direction and a chain widthwise direction; and a plurality of pins inserted through the through-holes for flexibly interconnecting the plural link plates, the method comprising:

- a layering step of layering the link plates as interposing a space regulating member between a respective pair of adjoining link plates;

- an interconnection step of interconnecting the plural link plates by inserting the pins through the through-holes; and

- a removal step of removing the space regulating members.

6. A method of manufacturing a power transmission chain including: a plurality of link plates individually including through-holes and arranged as mutually overlapped in a thicknesswise direction thereof on their side surfaces; and a plurality of pins inserted through the through-holes for flexibly interconnecting the plural link plates, the method comprising:

- a coating step of coating the side surfaces of the plural link plates with a coating material capable of being abraded or separated by using the chain;

- a pin lay-out step of laying out the plural pins

at a predetermined pitch; and

an interconnection step of inserting the plural pins so arranged into the through-holes thereby sequentially interconnecting the link plates which are mutually overlapped on their side surfaces.

7. A method of manufacturing a power transmission chain including: a plurality of link plates individually including through-holes and arranged as mutually overlapped in a thicknesswise direction thereof on their side surfaces; and a plurality of pins inserted through the through-holes for flexibly interconnecting the plural link plates, the method comprising:

a coating step of coating the side surfaces of the link plates with a coating material capable of being abraded or separated by using the chain;

a link-plate lay-out step of laying out the plural link plates at predetermined positions and in overlapping relation with respect to the thicknesswise direction thereof; and

an interconnection step of interconnecting the plural link plates located at the predetermined positions by inserting the pins through the through-holes.

8. A power transmission assembly comprising:

a first and a second pulley each possessing a pair

of conical sheave surfaces opposing each other; and

the power transmission chain according to Claim 1 entrained between these pulleys and contacting the sheave surfaces for power transmission.

9. A power transmission assembly comprising:

a first and a second pulley each possessing a pair of conical sheave surfaces opposing each other; and

the power transmission chain according to Claim 2 entrained between these pulleys and contacting the sheave surfaces for power transmission.

10. A power transmission assembly comprising:

a first and a second pulley each possessing a pair of conical sheave surfaces opposing each other; and

the power transmission chain according to Claim 3 entrained between these pulleys and contacting the sheave surfaces for power transmission.

11. A power transmission assembly comprising:

a first and a second pulley each possessing a pair of conical sheave surfaces opposing each other; and

the power transmission chain according to Claim 4 entrained between these pulleys and contacting the sheave surfaces for power transmission.